

OTA Advisor E-Newsletter: Summer 2005

Welcome to the Massachusetts Office of Technical Assistance's (OTA) email newsletter, the OTA Advisor. The Advisor will provide information on major OTA initiatives, available tools and publications, upcoming workshops and events, and other news of interest to Toxics Use Reduction Act (TURA) filers, toxic chemical users and interested parties. An electronic version of the OTA Advisor, and other information on toxics use reduction in Massachusetts can be found on the OTA website at <http://www.mass.gov/envir/ota>. If you have suggestions on how we can make the OTA Advisor more useful, or to add or remove your name from the mailing list, please email your request to maota@state.ma.us. If you would like to express comments, views or ideas about OTA's services, please email director Paul Richard directly at paul.richard@state.ma.us.

REMINDERS:

US EPA and Massachusetts DEP Enforcement Policy

Both the federal Environmental Protection Agency (EPA) and the state Department of Environmental Protection (DEP) have small business compliance incentive programs for companies that identify and self report their violations. For more information on the self-disclosure policies visit [EPA web page](#) and the [DEP web page](#).

DEP FORM S E-Filing Workshops

Filing electronically can reduce the time spent completing the state Form-S. OTA encourages all TURA filers to E-file. In 2006, OTA will continue to host educational seminars for businesses on filing electronically.

OTA School Mentoring Program

The Office of Technical Assistance (OTA) is offering an opportunity for local schools to improve chemical management practices. As part of this effort, OTA seeks companies that are interested in becoming mentors to local schools. In February, [EOEA honored Capaccio Environmental Engineering](#) for their work with the Wayland School system. More information about the school mentoring program is available on the [OTA website](#). If your company is interested in participating please contact [Susan Lanza](#) at 617-626-1068.

Color Removal with TAML®

The Office of Technical Assistance (OTA) and the Advanced Technology & Manufacturing Center (ATMC) at UMass - Dartmouth are seeking companies to utilize a delivery system module that applies TAML® chemistry, developed by Carnegie Mellon University (CMU) to remove dyes from wastewater. If your company is interested in using this technology please contact [Gus Ogunbameru](#) at 617-626-1065.

OTA Unveils Revised Website

OTA has revised their website to make it more user-friendly. We encourage you to visit our new site at: <http://www.mass.gov/envir/ota>. Please update your links and bookmarks! If you have any feedback please send it to maota@state.ma.us.

Environmental Justice White Paper

OTA has completed the final report for the 2004 conference, "Promoting Clean Jobs and Neighborhood Change: Building Economic and Environmental Justice." The white paper from this conference is available on the OTA [website](#). The conference broke new ground as the first conference to establish a connection between cleaner production practices and community revitalization.

IN THE NEWS:

Steven Pritchard Announced As New EOEA Secretary

On July 8, 2005, Ellen Roy Herzefelder announced her resignation as secretary of EOEA. She is succeeded by Steven R. Pritchard, who previously was the acting commissioner for the Department of Conservation and Recreation. Prior to the DCR assignment, Pritchard was the Chief Operating Officer/Chief of Staff for EOEA, where he worked on key initiatives including environmental permitting reform, world-class parks and ocean management. Before coming to state government, Pritchard spent most of his career working in business development and operations in the energy sector. As vice president of operations for Intercontinental Energy Corporation he managed multiple energy production facilities.

Funding Opportunity: Renewable Energy

The proposal deadline for the next round of funding for large-scale renewable energy feasibility studies or design & installation projects is projected to be postponed until December 2005 with the solicitation release expected in October. The Renewable Energy Trust division of the Massachusetts Technology Collaborative is delaying this deadline, originally September 16, due to an expansion of their Commercial, Industrial, and Institutional program for renewable energy installations to make public facilities eligible for funding. Although the program will now be called the Large Onsite Renewables Initiative, this is not predicted to affect funding amounts. This round of funding is expected to provide up to \$40,000 (with a 20% match requirement) for feasibility studies and up to \$575,000 (with a 25% match requirement for both the design and construction phases) for design and construction projects. Eligible renewable energy technologies include wind, photovoltaics, hydroelectric, fuel cells, landfill gas, and certain types of biomass sources. Proposed projects can be for either new construction or retrofits to existing buildings. Projects must be located in Massachusetts, have production capacity for at least 10kW of electricity (25kW for wind projects), and meet several other requirements. For more information, go to www.masstech.org/renewableenergy/large_renewables.htm, or contact [Michelle Miilu](#) at (617) 626-1094.

OTA Partners with Massachusetts Business Resource Team

OTA recently became a member of the Executive Office of Economic Development's (EED) [Business Resource Team](#) (BRT). OTA is pleased to incorporate their technical assistance program as part of the effort to coordinate economic development services to Massachusetts businesses.

Economic Stimulus: Expedited Local Permitting

Massachusetts General Law Chapter 43D was established by the legislature in 2004 as an effort to give municipal incentives and new options for providing expedited permitting. Regretably, no city or town has chosen to participate in the program to date. As a result, the Governor filed House Bill 4170 to shape an effective public policy that will foster economic development efforts in the Commonwealth by providing municipalities with the tools they need to be successful. House Bill 4170 is currently before the House Committee on Ways and Means. Several elements of the bill are: extension of the priority development permitting timeframe to 180 days; \$4.5M in Municipal Technical Assistance Grants; elimination of stringent timelines and unfunded mandates; and utilization of OTA to provide 'Right from the Start' and other technical assistance services. For additional information, please contact [April Anderson](#), Policy Director for the Department of Business & Technology at 617-788-3623.

Outreach: Biotechnology

Biotechnology is an important industry in Massachusetts. EOEA, in partnership with the Executive Office of Economic Development and the Massachusetts Biotech Council, has launched an initiative to assist this industry. As part of the initiative, OTA will offer workshops to help local regulators understand the industry's environmental impacts. The workshops will be developed around two matrices based on existing industrial experience on permitting in Massachusetts. For more information or to find out how your municipality can host a workshop, please contact [Paul Richard](#) at (617) 626-1042.

TURA Reform

In the 2005 session, the Massachusetts state legislature will vote on a bill ([Senate 536](#)) to reform the Toxics Use Reduction Act. The bill is sponsored by Senator Pam Resor, chair of the Joint Committee On

Environment, Natural Resources & Agriculture. Some of the proposed changes include: lower reporting thresholds on certain high hazard substances, dropping the per chemical fee for less hazardous substances, eliminating most CERCLA chemicals from the list of TURA reportable chemicals, streamlining some requirements from TURA data reporting, and allowing alternative TURA planning. For more information please contact Senator Resor's office at (617) 722-1120 or Rich Bizzozero from OTA at 617-626-1080.

UPCOMING EVENTS:

Water Conservation in the 495 Beltway

Water is becoming a scarcer resource and a bigger cost for businesses. As a result of a study conducted by the [EOEA water policy task force](#), OTA will host a workshop in the fall to help businesses in the 495 area conserve water. For more information contact [Susan Lanza](#) at 617-626-1068.

PRIOR EVENTS:

June TUR Workshop: Chlorinated Solvents

The Massachusetts Toxics Use Reduction Act (TURA) Program identified chlorinated solvents as High Priority Substances and emphasized reducing these chemicals in the Commonwealth. As part of the initiative, OTA and the Toxics Use Reduction Institute (TURI) hosted a workshop in June to discuss regulations on using chlorinated solvents, safer cleaning alternatives and to present information on companies that eliminated the use of chlorinated solvents. OTA will also participate in a workshop sponsored by [The Northeast Waste Management Officials' Association \(NEWMOA\)](#) and the US EPA in September called "[Promoting Environmental Responsibility](#)."

EOEA & Massachusetts Legislature Recognize Manufacturing Success in TUR at the State House

In April, House Minority Leader Bradley H. Jones, Jr. hosted an event at the State House with OTA to recognize industrial achievement in Toxics Use Reduction (TUR). The event included speakers from Crane, Inc., Churchill Coatings, EOEA, and UMass-Lowell. Several companies were recognized at the event, which, featured products and displays from each company. Many legislators and staff attended the event. Attendees learned about progress made by businesses related to improving the environment through TUR.

OTA SECTOR BASED WORK:

Medical Device Sector

In June, a meeting was convened on The Business Case for Design for the Environment (DfE) for Medical Device Manufacturers, co-sponsored by MassMEDIC, Associated Industries of Massachusetts, Greater Boston Chamber of Commerce, the Executive Office of Environmental Affairs, and the Office of Technical Assistance. This half-day workshop was designed to enhance the competitiveness of medical device manufacturers in the Commonwealth by assisting them in anticipating and proactively responding to marketplace pressures to enhance the environmental attributes of products. The event introduced business models that have successfully integrated DfE principles, and identified the benefit of DfE in product design. The agenda included a 45-minute Executive Session, led by Dr. Patrick Eagan of the University of Wisconsin-Madison, followed by a technical session that included multiple speakers and case studies. Thirty people from twenty-four companies, organizations, academia, and government participated in the workshop. At the meeting, the industry indicated that they want OTA to continue their work in this area. For more information please contact [John Raschko](#) at 617-626-1093.

Plastics/Rubber Sector

As a result of its work with the plastics sector, OTA and Pure Strategies, Inc. identified opportunities to assist the industry on several fronts. The following actions will be taken: development of a guidance document for companies in this sector on more successful negotiation strategies with certification organizations; development of a fact sheet on the benefits of Greener Wire & Cable (W & C) products highlighting Massachusetts companies that manufacture them; a presentation on the industry to the Executive Office of

Economic Development, and efforts to promote Greener Wire & Cable products through the state's procurement process and possibly the Green Roundtable (organization of architects, builders, engineers). For more information please contact Scott Fortier at 617-626-1090.

Marine Technology Sector

The Office of Technical Assistance with the help of it's contractor - Marine and Oceanographic Technology Network, will research information and collect data on the Marine Technology Industry. The collected data and information will pertain to sub-sectors within the industry and issues, particularly regulatory issues that affect the industry. OTA is tentatively planning a focus group meeting for the fall. For more information, please contact Jim Cain at 617-626-1081.

Barriers to TCE Reduction

To support efforts to reduce or eliminate the use of chlorinated solvents such as Trichloroethylene (or TCE), OTA hired SAK Environmental to conduct a survey of TCE usage in industry. The purpose of the survey is to identify the barriers to eliminating the use of chlorinated solvents. Companies that have participated in previous outreach activities may be contacted by this company.

PUBLICATIONS:

Case Study: AlphaGary Corporation

In 1998, the [AlphaGary Corporation](#) successfully launched a Lead Reduction Pilot Program, in which they evaluated the use of alternatives to lead compounds in their products, without sacrificing product quality. This evaluation allowed the company to successfully incorporate alternatives into their design process, thereby reducing the amount of time to bring new products to market. By 2004, the company experienced a 30% reduction in the use of lead and lead compounds, as well as a reduction of other toxic materials such as cadmium compounds and other heavy metals.

Case Study: J.M. Perrone Company

The J. M. Perrone Company, an integrated printing and direct mail marketing firm, discovered that the technology of direct Computer-to-Plate (CTP) printing eliminates the need for prepress chemistry, and removes the environmental hazards and costs associated with conventional film processing. Before making the change, the company purchased and used 205 gallons of chemicals at a cost of \$1,595 per year. The company also disposed of 2,730 pounds of hazardous waste at a cost of \$9,469 per year. In total, the company saved over \$11,000 per year in material and disposal costs, \$80,000 from the elimination of silver-based film and increased efficiency in their printing process lowering production time from 2 hours to 45 minutes - an estimated savings of \$31.50 per hour.

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A publication of the Massachusetts Office of Technical Assistance for Toxics Use Reduction (OTA), of the Executive Office of Environmental Affairs

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Updated: 03.12.04